

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: Jim Hydzik <congress@magpage.com>  
Subject: [573] 30 M Extention Cord Loop  
Message-ID: <199607080256.WAA22227@alaska.magpage.com>

Hello Gang, (orig. reply to Travel Ant. ideas wanted)

Lots of feedback on this one. RECAP: an acquaintance traveled without an antenna, just a small rig for nearby 30 meters and a length of coax with M and F non-polarized AC line plugs at the end. He would borrow a 100 foot extention cord from the place (motel/hotel) he was staying and form it into a loop. Any loop that would fit the surroundings...Delta, Square, circle, etc. If the loop was to be hanged on trees, building corners, etc, he would use a hotel coat hanger to form a strain relief by rapping each end of the cord through the outside corners of the hanger. One time he passed the cord through a coat hanger and threw it up to a balcony where the hanger hook caught on and provided an good high anchoring point.

Feeding of this borrowed cord was as simple as plugging the cord ends into the coax M/F plugs. My guess is that he used a 1/4 wavelenth 75 ohm feedline to match the loop, but this is speculation. Claiming that home tested versions of this configuration always yielded VSWR's no worse than 2:1, he never carried a tuner. My one time testing with the configuration (using a RG-59 1/4 wave jumper) had the same results.

For clarification, the extention cord is not plugged into itself, but one end to the coax center conductor and the other end to the braid. Each plug has both wires tied together.

THE THIRD WIRE. I don't remember what was done with it, but at our next NJ-QRP meeting (if time permits) we'll fire it up on one side only and see where it resonates. A couple of connections are possible using the 6 ends of all three wires, including making all three of them in a series configuration and feeding at the open terminals. (L.B, model that one!). Obviously, anything beyond the typical loop feed would provide results that are dependant upon the variables of wire gauge and spacing and the insulation properties.

EIGHTY METERS? Yeah! If this works on 30 M (it should since 100' is just fine for this band), then the KnightLite Special for 3.710 KHz can't be far off. The full size 3-cord loop looks like something to be tried at the NE-QRP outing on July 27.....go for it Jim/W1FMR.

Two folks have asked permission to write up something in their newsletters about the novelty and practicality of the Zipper-30. Everyone is welcome to play with it as they wish...no claim to patent on my end...and I guarantee the guy I got it from won't care. Have a blast! Just don't let anyone else get a hold of the coax jumper with those AC plugs.

72, Jim K3QIO in Delaware (10.118 MHz almost every night)

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: DCrespy@aol.com  
Subject: [568] AGC and more audio  
Message-ID: <960707183041\_571571200@emout09.mail.aol.com>

I tried out an idea this weekend that seems to have some merit.

I am working on another NN1G rig (a MK III this time).and wanted to get some more audio as well as some way to limit the ear splitting that comes with big signals and no AGC. I tried the NZ9E (?) Audio AGC preamp from February 1995 QST.

I tried it between the NE 602 and the LM 386 at the volume control.. Got no limiting and the extra audio included the amplified noise made by the Op amp (a "low noise" TL 081).

I reasoned that the big signals were not big enough at this stage of the receiver to be rectified to control gain in the IC..so I tried it between the output of the LM 386 and the speaker. Neat Result.. Big improvement in audio out DIRECTLY from the AGC board..actually had to turn it down on the AGC board (a FAR board). You can hear the gain limiting working (big changes in Volume control on the NN1G needed to turn down the audio when the signal is strong). You can also notice the AGC time constant working as the atmospheric noise comes up slowly between characters. (At this position in the circuit the Op amp noise is not noticable.)

There are two controls on the AGC board, one is internal gain for the Op amp, The other is the "volume control" ..a pot on the output. The first seems to set the limiting or AGC threshold. The second allows you to set the output level.

The only thing to work out is the frequency response of the amp. It is a little high for CW. I think the design was intended for digital mode tones.

This worked surprisingly well.. It might be an interesting add to you NN1G rig or any other without AGC.. ( I plan to be able to turn this one on and off.)

Once I figure out the component changes to get the frequency response right, I'll post them if there is enough interest.

Harry KG5LO

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: cjsterl@ix.netcom.com (Craig J. Sterling)  
Subject: [544] Antenna feeds  
Message-ID: <199607071249.FAA25610@dfw-ix10.ix.netcom.com>

Gang & LB,

I've designed a new antenna to replace the Carolina Windom. It will have a flat-top of 220 ft and fed at the center with 66 ft of 450ohm ladder-line. The radiation pattern of this antenna is 4 beautiful lobes and since fed with ladder-line, should exhibit very low losses as compared to my current coax fed windom.

QUESTION: What is the best way to get the antenna feed to my tuner? Should I attach a 4:1 balun, a 1:1 balun or just coax to the end of the 66' 450ohm ladder-line? 66' feed line will not be long enough to reach the shack since the antenna will be approx 80' high. I'll use the lowest loss coax possible with the exception of hard-line.

Suggestions welcome,  
Craig, AA3MD

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: Joel Malman <malman@BBN.COM>  
Subject: [560] country question  
Message-ID: <199607071900.PAA56281@nss2.CC.Lehigh.EDU>

Can someone tell me what country uses HG1 ?? I worked HG1H on 20 meters, but can not find the prefix listed.

thanks & 73.

joel Willy Alpha One qvm

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: al330@detroit.freenet.org (Bob Williams)  
Subject: [545] FS MFJ 9020  
Message-ID: <199607071258.IAA24381@detroit.freenet.org>

I have for a sale a MFJ-9020 - reason for selling is that I picked

up the MFJ 9420 (with the cw potion), so don't need to 20M, cw rigs,  
will sell the 9020 for what I paid for it, \$95 shipped. Works good,  
but seems to need about 5 - 10 minutes to "warm up" and stabilize  
on frequency

Thanks  
Bob

From owner-qrp-l@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: kb7et@usa.pipeline.com (Jim Sheffield)  
Subject: [553] FS: Ten-Tec Power Supplies  
Message-ID: <199607071622.QAA14677@pipe16.h1.usa.pipeline.com>

I have 2 T-T powers supplies for sale:

model 937 11-amp (matches Scout/Argo, new in box) - \$65  
model 979 5-amp (matches Century, others, very good) - \$50

Prices are firm and include shipping. Payment by bank check  
or postal money order only. 73, Jim, KB7ET  
kb7et@usa.pipeline.com

From owner-qrp-l@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: Lynn Geitgey <lgeitgey@kumc.edu>  
Subject: [537] HW-8 Pkg SOLD  
Message-ID: <s1def700.047@gw.kumc.edu>

The HW-8 Package has been sold..

You guys and gals are fast...

72 de KB=D8LRB Lynn

From owner-qrp-l@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: lscheele@sprynet.com  
Subject: [564] HW-9  
Message-ID: <199607072149.0AA29658@m4.sprynet.com>

What is a HW-9 worth? Or should I say, What do they sell for?  
I'm new to the QRP-L and must be forgiven if this subject has already been beat  
into the ground. I haven't seen any used ones and would like to own one someday (I

think). Anyone care to pass on what they have paid or sold their HW-9's for?  
Would like to hear from those who have an opinion (good or bad) on the operation  
of  
the unit.  
73  
Lonnie, K0LS

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: Gary Surrency <gsurrenc@ix.netcom.com>  
Subject: [571] indoor antennas and EFI  
Message-ID: <31E03548.B1B@ix.netcom.com>

Bill Marsh wrote:

>  
> Hi Gary  
>  
> I vaguely wondered about the effect of UV/WX/TEMP on pvc. You really have  
> the goods on it. ----Snip---  
Other indoor antenna comments here.....  
---Snip---  
> Bill K3AS

Hi Bill and the gang. Thought the rest of you might profit from these experiences:

I have an indoor 40m dipole here, and it gets out OK, but it picks up lots of  
house  
electrical noise. So I sometimes use it for transmitting, but I receive on a  
outdoor  
sloping vee fed with a tuner and 300 ohm line. It's a lot quieter but doesn't get  
out as  
well as the dipole since its only about 8 feet high (below the fence line of  
sight) and  
the indoor dipole is near 25 feet. CC&Rs you know.

My attic was just a little too short for the 40m dipole, so I wrapped the full  
length of  
each side of the dipole around a broom handle. This made it coil up some and then  
I  
could stretch it between the limited attic length. It was pretty much un-coiled by  
the  
time I pulled it to the inside of the gables with two screw eyebolts set next to  
each  
other, but just far enough apart to put a dogbone end insulator between. I used a  
1/4"  
bolt with a piece of plastic tubing over it to cushion the ceramic hole in the  
insulator

so it wouldn't crack under stress and mis-alignment.

The center was fed with a balun held up between the roof joists with a small piece of wood screwed in place. This helped keep the drooping to a minimum and secured the center in place. Since I used a full length of wire on 40m, about 65', the only tuning needed was to loop about 18-20" of the ends back on the wire near the insulators, and adjust to desired resonance by manipulating the size of the loop. More loop adds capacitance and lowers the freq., less loop lowers capacitance and thus raises the freq. This precludes the need to trim the end length, and I didn't have to adjust the total length of the wire, thus maintaining the stretched length between the insulators and not over or understretching it, keeping the wire taut from the original stretch.

The point is, if there's not quite enough length inside your attic, try coiling the total wire length required by the resonance formula, and then stretch it inside whatever attic length you have. It will physically shorten the antenna, but maintain most of its electrical length so you have better luck resonating it on frequency. Stiff antenna wire is preferred, since it retains its springiness better. Other factors in the attic affect tuning somewhat, like metal truss brackets and telephone wiring, alarm wiring, romex cable, AC ducts, etc.

But I still got a 1.00 to 1.00 SWR match at 7150 by crawling back and forth several (read-many) times from end to end of the attic to adjust it. Oh my aching back! If I had only had my MFJ-259 antenna analyzer then it would have been a lot easier, since I wouldn't have had climb down from the attic after each adjustment to check the new SWR. Invest in one if you haven't already. :-)

My problem was the feedline length to reach the shack was right at a quarter wavelength on 40m ( $234/7.15\text{MHz} \times (0.78\text{VF}) = 25.52\text{ft}$ ). This made it a little touchy to tune to resonance from the transmitter end as compared to tuning with a electrical half-wave length of feedline, or at the feedpoint. I always like a multiple of 1/2 wave

feedline

for single band antennas. But I didn't want to loop excess coax back and forth to use up

the extra length, so I put up with it. It's only 25' to the balun from my rig! I already

get enough EFI from all the house wiring and didn't see the need to add more coax and

pick up more noise!

On the subject of tracking down house EFI sources, I made use of a AM transistor radio,

and tracked down lots of junk emitting AC line noise. The worst offenders were:

1. Light (actually dark) activated nite lite. Absolutely the single biggest culprit!

2. Electronic air filter with HV ion cell. Turned it off!

3. Water bed electronic heater control. I didn't try to suppress this one since I'm

gonna ditch the waterbed altogether soon. It's a holdout from my wife before we were married.

4. Remote control AC switches and dimmers for lights and appliances. Pulled the plug(s).

5. Wall warts for telephones, answering machine, etc. Cut the plastic cubes open and put

ceramic bypass capacitors across the 1n4001 bridge diodes. A better solution is total

replacement with a regulated DC supply of mine own design (using LM78xx regulators and a

single transformer / rectifier) with multiple DC output voltages and to reduce the number of wall warts to zero. See The wall warts were particularly bad RFI producers.

The FCC or UL should be shot for allowing these things! Hold a AM radio that's not on a

station near one and you'll see what I mean.

6. Power supply inside the garage door opener. Again, no bridge rectifier bypass capacitors to cut the diode hash from rectification. And it has a wiring to the remote

control push button panel to help it radiate! This was easier to fix than the wall warts

since it had screws retaining it's cover. Did two of these, one for a double car garage

door and another for a single car door. (3 car garage)

7. VCR switching supply that's always on. Pulled it's plug too.

8. DBS satellite receiver that's always on too. Had to leave this alone and put up with it, since it needs to dial the billing service once a month (I don't know when!) But I pull it anyway if DX conditions are good, and I'm trying to hear a QRP station. :-)

9. "Green Plug" for refrigerator. This is another nasty EFI producer with an un-suppressed Triac in it to clip the AC waveform to reduce power consumption. One of my "not-so-good" purchases. Shelved it. The shack is directly opposite the wall from the fridge, and I was baffled why the EFI was terrible and then periodically would vanish (when the thermostat turned the fridge off). Discovered it when I was listening to the portable AM radio and opened the fridge door for a drink of water. Buzz! There it was! Yes, the light really does go out when the door is shut! ;-)

10. The AC supply for my HF rig also didn't have any bypass caps on it's bridge rectifier! Four 0.1ufd 100v caps cleaned it up. Also bypassed the AC line with 0.1ufd 125 vac caps from a PC computer power supply, a kind of "brute force" filter. This helped a little more. Beware of anything that has diode rectifiers in it. Big sources of AC hash.

11. Solid state AC thermostats (2). A small EFI producer, have yet to address this one.

That should help any of you get headed off in the right direction with indoor antennas and their pitfalls. Oh how I long for a big country yard again and antennas up high in the trees away from all this AC line noise! Maybe someday I'll live in the wide open again.....or QTTF! :-)

obQRP statement:

PS, I only run QRP on the indoor antenna to limit RF exposure. :-)



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Gary, AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

From owner-qrp-l@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: ke1ex@ids.net (Laurent C. Lafond)  
Subject: [561] Items wanted  
Message-ID: <199607072121.RAA92504@nss2.CC.Lehigh.EDU>

Hi ya-all,

Need the following items, if anyone wants to part with them.

MFJ-16010 Tuner  
BY-1 Bencher Paddle (That's the black one)

73, and tks,  
Laurent

From owner-qrp-l@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: Doug Hendricks <ki6ds@mail.telis.org>  
Subject: [572] July NorCal Meeting Report  
Message-ID: <31E068E4.6835@telis.org>

Great Crowd, Great Day, Great Visitors. The July meeting of the NorCal QRP Club was business as usual. (As always, NorCal has no meeting per se, just a get together with no formal business meeting etc.) We had several distinguished visitors including Henry Smith, NA5K, from Dallas who gave us the real low down on Chuck Adams, K5FO (Grin). Chuck, you had better get out to a meeting and defend yourself, we want to hear your side of the tall Texas tales. Grin.....

Jerry Parker, WA0OWR, came up from Paso Robles to share pictures of the Zuni Loop FD and to answer questions about the NorCal Web Page and the internet. Many of the members were glad to finally get to meet Jerry, and I heard more than one say, a hearty thankyou for all of his work on the NorCal Page, which I agree with completely.

Bill Jones, KD7S, the "famous" winner of the NorCal Building Contest at Dayton was there with 3 of his prize creations. The 49er, which I call the "Collins 49er" because of its color and dial, an Atomic Keyer, and an automatic etchant tank for etching pc boards. Bill also gave demos on how to easily etch pc boards using the iron on method and the special

paper from Digikey. Plus he showed us a board that he had made that was even solder coated!!

Rigs, yes there were rigs. Several 49ers, including Debra Blanke's "Lunch Box Special", which is a 49er built in a beautiful test equipment box that looks similar to a lunch box with latches. All kinds of bells and whistles. Jerry Parker took pictures, and will have them up on the NorCal page soon.

Glen Menard, who recently bought an historic kit, the W1FB Superhet transceiver from 1992 QST I believe, had it on display. It had all kinds of bells and whistles, but the thing we all commented on was how far we had come with the new rigs we have today. It was neat to see a piece of history.

Richard Davis, and I may have the name wrong, brought a real piece of history. He had a 1 watt transmitter that uses 1.5 volts for the filament and 90V for the B+. It was out of a 1948 QST, he did wind a toroid and it gave it the NorCal Look!! He has promised to write an article.

Jim and I both agreed that this was another typical NorCal meeting, lots of fun and lots of give-a-ways. Sam Imai, KF6ML, of Los Angeles was another guest, but he brought along a box of the computer keys needed to make the keyer from a recent issue of QRPp. Sam passed them out, and he made sure that everyone got a key and a copy of the article. Thank you Sam for your generosity.

Darrel Jones and Mike Miller of the Valley of the Moon ARC brought along a whole trailer load of goodies for the give-a-way. They gave away literally HUNDREDS of variable capacitors of every make and description. It was a treasure trove. They came from the estate of Frank Jones, who was a well known builder and QST author. Many of the older hams talked of building Frank Jones projects out of QST. Jim Cates, said that Frank was one of his "Ham Radio Heroes".

Wayne Burdick told me that he hopes to have the KC-2 keyers ready for the club distribution at the August meeting. We are selling these to the local members as we need some immediate feedback, and we need to be able to physically see the installation. The club gets 100 of these, and then it goes on sale as a Wilderness Radio Product.

Dave Meacham was busy helping Ralph Butler who is wrestling with his Cascade. Several of the members of the Valley of the Moon ARC have reported that they have all of the parts for the Epiphyte II and are now ready to start construction. We should see some completed radios in about a month.

I will be traveling to Kansas to see my father and will be stopping in Denver to see a couple of ham radio friends, Lloyd Bennett and Hugh Matheson. On the way back I will go through Albuquerque on the way to Socorro to visit Paul Harden, and then Paul and I will attend the FT. Tuthill Hamfest in Flagstaff on the 19,20 & 21st of July. Hope to work some of you as I will be on 20 and 75M phone and 40M CW, QRP of course. 72, and thanks to all who helped make the meeting another success.  
Doug, KI6DS

Pictures of the July meeting will be posted on the NorCal page soon.

From owner-qrp-l@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: Paul Stroud <aa4xx@nando.net>  
Subject: [556] KnightLite's 80M Net  
Message-ID: <31DFED04.276D@nando.net>

> Dear Gang,

>

> We welcome you to check into the Knightlite's net each Sunday  
> night at 0200Z (10PM EDT) on 3710 KHz. Conditions have been improving  
> the last two weeks, with stations from MN and AK being heard (from my  
> QTH in NC).

>

> The following folks joined us last week:

>

> N3G0	Gary	NC	349	100mW	Dipole, IC-735
> KF2PH	Nick	NY	339	2W	
> AE4IC	Bob	NC	589	5W	
> K3QIO	Jim	DE	549	5W	OHR Sprint
> WJ4P	Randy	SC	449	1W	OHR-400, End Fed LW
> VE3REP	Garry	ONT	349	5W	
> WA4NID	Dave	NC	579	1W	Dipole
> AA4XX	Paul	NC	(NCS)	5W	Inv Vee, FT-757GX

>

>

> Each of the stations above was quite readable. Word has it that  
> AA6UL now has his little 80-9'er crystallized for 3710 KHz. We'll be  
> listening for your bodacious signal soon, Ralph! N3G0 also mentioned  
> on the net that he now has the parts to convert 40-9er's to 80-9'ers.  
> I hope we'll be hearing more of these little rigs on the net soon...

>

> This Sunday's session will be hosted by WA4NID. Get your  
> earphones warmed up for some more QRPP check-ins, Dave!

>

> 72,  
> Paul AA4XX (near Fuquay-Varina, NC)

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: wb8ygg@juno.com (Bradley S. Mitchell)  
Subject: [547] Mast story  
Message-ID: <19960706.101215.10495.1.WB8YGG@juno.com>

I've been reading about the PVC masts , and recall an event that took place when I was a very young ham. 73 Brad WB8YGG

Mast Quest:

I lived on a farm in rural Michigan as a child. That's where I got the "8" call sign. I wanted a "long" long wire antenna, but there were no trees in the field where I wanted to put the antenna.

I kept thinking how could I put up an antenna at least 30-40 feet up straight out from my second story bedroom window..

One day as I was plowing a field adjacent to our woods, I noticed that there were lots of straight tall trees. I planted that thought and later that day after work I investigated. I walked down the lane past all the rock piles that I had created over the years past the bee hives at the end of the lane, and on into the woods. Sure enough there were lots of very tall very straight trees in the woods, and I was sure that a couple of them would not be missed

Problem is, how could I get the trees back from the woods. I could drag them , but that would take a long time!  
I could probably borrow Grandpa's tractor, but that would take more time.. I thought hey Dad has a 12 horse tractor mower, that would work!

On Sunday I enlisted the help of my brother who was 7 years

older than me, and would be able to help me drag the trees out of the woods to hook them up to the tractor. We rode the tractor mower down the lane and parked it just before the end and the bee hives. The search was on for the two perfect specimens. After much searching

I cut down 2 trees, and began to take the small branches off. Once we finished that, my brother said to go back the tractor up to the very edge of the woods so we wouldn't have to drag them very far.

I hopped on the tractor, turned it around and slowly backed it up through the bee hives toward the lane end. Suddenly I was attacked.

bees were everywhere all over my face, arms neck stinging everywhere.

I ran through the woods taking my shirt off to rub them off of my face,

allowing all the branches of the woods to hit me to hit the bees.

I ran right

past my brother who gave me a funny look and said, "what's your problem?" I proclaimed that the bees were all stinging me. He

being older

and wiser said.. yeah right "I'll get the tractor. " I said good.

Next thing I

saw was my brother running through the woods waving the bees off with his shirt.

We concluded that the bees didn't like the vibration of the tractor

mower. It was different than the big tractors, an apparently they just did

no like it. So after the bees cooled off, we pushed the tractor away from the hives far enough not to bother them. Then we dragged the trees out the woods , past the hives to hook them on to the tractor.

After getting the trees back, I dug 2 holes for them with post hole

diggers. Total length was probably 200 feet all of which was about 30 plus feet in the air.

The green trees lasted for many many years. As I grew older and went off to college, they were still there. I finally lost track of them

as a forest of pine trees that my father and I had planted grew  
up  
around them. I seem to recall that my Dad said that he took the  
chain  
saw out to the pines and finally cut them up.

Over the years of course my grandfather died, and my  
brother  
built a house between where my fathers house is and the pines.  
My nephews beat down a path between their house and grandpa and  
grandmas' house. I had told my nephews of the story of the poles,  
and  
before my trip to Michigan they had cut 2 trees down. They  
proclaimed  
that the poles were still out in the pines. I could not believe  
it so I decided  
to see for myself. I couldn't believe it! There amongst the  
pines  
were pieces of the poles with insulators intact. I unscrewed the  
insulators  
from the posts, and helped my nephews screw them into the new poles.  
We ran out of time and didn't get the new antenna up before I had  
to go.  
I don't know if the new antenna is up yet, but sure hope  
so.  
It would be neat to see the old insulators back up in the air.

73 Brad WB8YGG

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: al330@detroit.freenet.org (Bob Williams)  
Subject: [563] MFJ 9020  
Message-ID: <199607072145.RAA17706@detroit.freenet.org>

Rig has been sold .... Thanks

Bob W9NIP

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996

From: Richard Wilkerson <richqrp@worldnet.att.net>  
Subject: [557] new address  
Message-ID: <31DF8973.1D0B@worldnet.att.net>

To the group and Roy Gregson..I have a new address, it  
is....richqrp@worldnet.att.net By the way Roy the 8020 is still gonig  
strong..no problems..thanks..rcih wd6fdd

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: dwebster@netcom.com (Dennis Webster)  
Subject: [555] OHR Qrp Rigs 4 Sale  
Message-ID: <199607071652.JAA04793@netcom19.netcom.com>

I have the following rigs for sale. Both are in new condition.

OHR Classic 40/20 meters, 5 watts out. Built in iambic keyer.  
Asking \$175. The kit was built last fall.

OHR Explorer II 30 meters, 3 watts out. Just finished building.  
Has not been used except testing and alignment. \$85.00.

I will pay shipping on the above rigs.

Also the following:

Astron RS-4A Power Supply \$25.00 ppd

Books: The Joy of QRP by Adrian Weiss  
Reflections by Maxwell  
Both books for \$25.00 ppd  
Dennis Webster WJ6H/QRP \*\*\*LESS IS MORE\*\*\*  
dwebster@netcom.com

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: mike <mike@g0ifk.u-net.com>  
Subject: [559] PREFIX LIST  
Message-ID: <31DFFD58.5B62@g0ifk.u-net.com>

Hi Gang.

I have been developing, over the last few years, a database for logging.

One of the things that I would like to incorporate into it is a prefix search option which would give as much information as possible about the prefix concerned.

This does not have to be in a database format as I can convert it quite easily, but if anyone has such a list on computer, I would be grateful if they could send it to me.

Ideally I would like as much information as possible ie. prefix, country,zone,continent,when the prefix became active/deleted etc. I'm sure you see what I mean.

Yes I know I can type it in, but I guess I'm just too damn lazy.

Cheers.

Mike G0IFK

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: Ron Giuntini <rong@slip.net>  
Subject: [539] PVC Masts  
Message-ID: <E0ucmSr-0000oy-00@mouse.slip.net>

Has anyone tried putting a smaller size inside a larger diameter section for the entire length? I wonder if this would make the mast adequately rigid? Of course it would be heavier, but if you use light stuff initially, (instead of the schedule 40) perhaps the result would be a stronger mast that did not weigh too much.. Just wondering....One other thought...I once put in some PVC for irrigation pipe and found that the white type does not hold up in sunlight... You need to use a grey type for above ground or exposed locations. You may find that the white stuff deteriorates in sunlight. I was using the thinnest stuff, not schedule 40, however....

Ron KB6GK  
NorCal #1718  
San Francisco

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: k3as@dol.net (Bill Marsh)  
Subject: [554] PVC Tubing for masts  
Message-ID: <v01540b0bae059466070d@[204.183.91.59]>



What a great bunch of people on this list, freely sharing their hard earned information with me. You have saved me from making some bad mistakes. Thank you all for the help!

Bill, K3AS

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: David Johnson <djohnson@acpub.duke.edu>  
Subject: [540] QRP ARCI Web Site !!!  
Message-ID: <Pine.SOL.3.91.960707022949.26341A-100000@bio3.acpub.duke.edu>

\*\*\*\*\* (drum roll please) \*\*\*\*\*

ANNOUNCING THE QRP ARCI WORLD WIDE WEB SITE

\*\*\*\*\*

The QRP Amateur Radio Club International is now on the web! That's right, the big WWW! For your enjoyment and to serve as a source of information to members and nonmembers alike, the QRP ARCI web pages have been developed with lots of great input from the QRP ARCI Board of Directors.

Now I am officially announcing the site, and invite you to check it out and provide your ideas for its further development.

The URL is:

<http://www.duke.edu/~djohnson/>

If this looks familiar, it may be because this was the URL for the KnightLite Home Page. Now both the KnightLite and QRP ARCI Home Pages are accessible from this location, which provides a simple menu. Later, when snazzy graphics are added, I will be able to provide menu-selectable links to fancy graphics-containing pages and text-only versions of the same pages. This will allow those with text-only browsers to enjoy the sites.

Here is a summary of what is available NOW on the QRP ARCI web pages. The "Home Page" provides links to other pages, and a description of QRP ARCI activities and benefits of membership. An "Invitation to Join" page provides a form and instructions for becoming a member. A "nets" page summarizes QRP net operations, and a "Who to Contact" page lists addresses (both US Post and email) for various club officials. Finally, a "Bulletins" page provides some timely news and reports of interest to QRPers and amateur radio operators in general.

I will be maintaining the QRP ARCI web site for now. It is my hope that it will be more than a simple "web presence" for the club in cyberspace, but that it will be of value in attracting new members to our exciting club and in providing a useful reference source for members worldwide.

Note that the club journal, the QRP Quarterly, is an excellent source of technical information and operating news, and news about various club activities. The continued health and existence of the "QQ" depends on the flow of input from QRPers, and the "Who to Contact" web page provides a convenient guide to the various editors who organize and manage the various columns in the journal. Please keep sending in your operating news, technical tidbits, rig reviews, and other QRP-related material to the appropriate journal editors. Contributing to your club in this way will give you much satisfaction, and the other members will appreciate learning from you!

I encourage you to check out the NEW QRP ARCI web site. Please send me your ideas and input on how it can be improved!

Enjoy!

72,

Dave

David W. Johnson, Ph.D.	QRP ARCI 6546
Amateur Radio Extra WA4NID	G-QRP 4864
email: djohnson@acpub.duke.edu	NorCal 355
packet: WA4NID@KB4WGA.#DUR.NC.USA.NOAM	TSRAC 3482

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: PDouglas12@aol.com  
Subject: [574] Rough condx for check-in  
Message-ID: <960707233712\_232793594@emout09.mail.aol.com>

Well, gang, 80m is not easy to enjoy on summer nights. And checking into the Knightlites is quite a QRP challenge. I wanted to see whether the filters in the Emtech NW80 were finally lined up right (the Emtech has the VBT IF tuning that is all the rage in QRP kits and an optional audio filter--together they are very very narrow and do a great job with QRM and suprisingly QRN too).

Also wanted to be sure the offsets and RIT were set right. Apparantly they are. (Net control, Dave, was I off freq???)

I was just able to make out WA4IND and AA4XX, but it was an ear splitter. I do hope I didn't make my call out of turn, as it was a real rough night.

Some comments on the NW 80. The audio filter and the IF filter are both very narrow, and must have the same center freq (requires setting the BFO very carefully). But when they work together, they are terrific. I am still looking for ways to suppress a key-up audio thump in that rig which is a small annoyance that I am learning to live with. But the good of this rig still makes it my best radio for operating QRP in rough condx.

A comment on the locale of the Knightlite net. Presumably, because the net is intended to be inclusive of all, it is held nowadays in the novice portion. The problem with this is that Novices (well, they are novices for goodness sakes) seem to do more tuning up and CQing right on top of the net than there would be down in the general portion. Net had to QSY this week because a digital op started up right on 3710!

Anyway, it was a fun night's activity.

72, Preston WJ2V

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: Dennis Marandos <k1lgq@dennis.mv.com>  
Subject: [575] Send me your old and NEW call! (2nd notice)  
Message-ID: <199607080342.XAA16608@bort.mv.net>

Second notice for those who missed the first!

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This message is for all members who have a call change from the FCC and would like to have it published in the fall issue of the '72' newsletter - The New England QRP Club. It will be hard to remember what your call was, but having it in print will make it easier for others to remember.

Send me your information and I will include it in the October issue (deadline mid-Septmeber) for all to take notice. This listing is open to ALL who can read this notice, be it New England club members or not.

Send your information directly to me, and not through the QRP lister, with the subject titled: NEW FCC CALL SIGN. Send your e-mail to:

K1LGQ@DENNIS.MV.COM

Let's make an issue out of this....!

Dennis Marandos - K1LGQ (\_1\_ \_L\_ast \_G\_ood \_Q\_uestion)  
Editor- The New England QRP Club newsletter

From owner-qrp-l@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: Doug Hendricks <ki6ds@mail.telis.org>  
Subject: [569] St. Louis Tuners Available + Other NorCal Goodies  
Message-ID: <31E0494D.4D86@telis.org>

Guys, I went throught the garage this week, and I was able to put together 6 more St. Louis Tuner Kits. These are as per the original, and came about due to our buying "extra parts" for replacement. Jim and I have decided it is safe to sell these kits now that we have replaced all missing parts that we know of and everyone has had ample time to notifiy us. So, if you missed the St. Louis Tuner, there are 6 more available. Send a check for \$80 if in the US outside of California, \$85.44 if you live in California to Jim Cates at the address below. Only six of these are available, and the first 6 checks in Jim's hands get them. Jim's address is:

Jim Cates  
3241 Eastwood Rd.  
Sacramento, CA 95821

Make Checks or Money Order to Jim Cates, NOT NorCal.

.....

We also have 7 St. Louis Tuner "Mini-Kits" These are the 2 Custom

Variable Caps, 2 Meters, Circuit Board, and Manual. Cost is \$25 + \$3 shipping. No Case, connectors or board parts on this one. To order, specify St. Louis Tuner Mini-Kit.

.....

And, if you have been looking for a case, we have 17 St. Louis Tuner style cases, except they come with plain panels, with no holes punched in them. The cases come with all hardware, including latches and special screws. Cost: \$25 each + \$3 shipping. To order specify St. Louis Tuner type case.

.....

Jim also has 12 Sierra/Cascade style cases left, with plain panels. These do not have the folded lip and pem nuts like the St. Louis Tuner. Cost is \$20 + \$3 shipping. Specify Sierra/Cascade style case.

72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: wb8ygg@juno.com (Bradley S. Mitchell)  
Subject: [546] SW-40  
Message-ID: <19960706.091757.10495.0.WB8YGG@juno.com>

Well, I finally put together the Sw-40 (originally the NE 40-40).  
I never really jumped on the band wagon for making the NE 40-40 because I had just built 2 spiders, a Cubic incher tx, a Sudden Rx, 2 NN1G Mark II transceivers and an Epeiphyte I transceiver, all from scratch , including the P.C. board. ... But that's another story..

Anyway, The SW-40 I procured at Dayton. After I got back I ordered the Hardware kit which includes the silkscreened case, painted box, knobs, pots all the hardware..

I put together the radio this weekend, and my first impression was wow, lots of parts.. The toroids wound easily, and the manual was very

well

done. I had it all clip leaded together on the bench, and hooked up the trusty AK-1 to it, and sent cq several times.. nothing. :-( .. listened around nobody calling cq :-(.. Called cq again.. finally got k9cmw. We talked for almost an hour!.

It was great, what a neat feeling (again). I haven't built a rig for quite a while and it was good to make that first qso with it.

Once I made the first QSO, and got everything going, i decided that it was time to button it up. I put the rig in the beautiful box that I got from Small Wonder Labs (Dave Benson). It turned out great ! Now the only thing is.. I really want to put my keyer inside the box because there is plenty of room to do that and have the buttons stick out the top.. Next project..

In conclusion, I just don't understand why there isn't more hype over this

littell rig. It sure is a beauty! I didn't need anything to tune it up at all.

I just used the meters that I had and it was tuned in about 30 seconds!

Dave has done a wonderful job on this!  
I'd really like to see how the Green mountain rigs and the white mountain rig performs now!

73 Brad WB8YGG

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: cjsterl@ix.netcom.com (Craig J. Sterling)  
Subject: [543] Who is this guy?  
Message-ID: <199607071235.FAA24704@dfw-ix3.ix.netcom.com>

Greetings from the Nation's Capital,

I've worked PY2Z on 30M ... he's a bit sloppy in the fist and have only copied Curacao as a QTH. Don't think his English is FB! Anyone else work this chap, and is he a PJ2?

Thanks,  
Craig, AA3MD

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
Subject: [565] Re: Antenna feeds  
Message-ID: <Pine.SOL.3.91.960707175239.13153A-1000000@utkux4.utcc.utk.edu>

Craig,

Run the parallel feedline all the way to the ATU if at all possible. For all band use, the double G5RVs and other schemes to convert to coax are not useful, since they apply only to some of the "traditional bands." Using 450 all the way to the atu in the shack allows matching on any band with minimum loss (even though the line length might have to be adjusted on one or two bands to present R and X values the atu can handle).

I have used a G5RV with the 33' of 450 that went to the edge of an eave of a house I used to own. Inside, there were electrical wires, aluminum foil covered heat duct with a wire coil along the length, and other metal "stuff." RF imbalance was horrific, with hot chassis throughout the attic shack, and no effective means of ridding myself of the problem. Key 15 meters for a millisecond, and it stayed keyed forever. So, under those drastic circumstances, I used a W2DU choke (ferrite beads along a length of coax, similar to the Radio Works C-2), sometimes called a "choke balun," and used about 18' of RG-213 thereafter to the ATU. That length of that coax has a loss on 10 meters at an SWR of 10:1 or so of under 1 dB, and I accepted the loss to free myself from RF in the shack. The antenna worked well on all bands (within the limits applicable to a 102' wire at about 35' up).

Since the loads presented at the end of the 66' of 450 line you propose will be highly reactive on some bands, avoid baluns and other powdered iron or ferrite cores, which, in general, do not like reactive loads. If your atu uses one to produce a balanced output, test it with a variety of loads (50 ohm R only, 200-ohm R only, 100R + 100jX, etc.) at about half power relative to the atu rating and check for balun warmth after 1, 2, 3, etc. minute key down periods. If the balun gets warm, it is converting part of your signal into heat before the antenna gets to use it. It will do the same to a QRP signal in the same proportion, even though the power level may be too low to detect heat. There are some designs for signal balancing at the atu TX side, but I believe the inductively coupled atu is still the best for a balanced feed system, and buildable designs appear in older handbooks. There is a commercially made ham atu of inductive design made in Germany, but I am not aware of any made in the US or Canada. (New business, anyone???)

Good luck with the antenna.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Subject: [562] Re: Hams in Movies  
Message-ID: <199607072122.VAA07420@chuck.dallas.sgi.com>

Gang,

The call used in Phenomenon was WB6QLF. It's not an easy one to forget. :-)) I did a database lookup and it belongs to Charles B. Roblin in Ventura CA. I'll bet you might find his name in the credits. There were some valid QSL cards on the board in the background also.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com  
K5FO TMPS 1996 Qs=048 States=25 Confirmed=11 DX=02 (0.95W)  
AL AZ CA CO DC FL GA IA IL IN MD MI MO  
NC OH OK OR RI SD TN TX UT WA WI WY

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: brozenske@juno.com (Barrie L Brozenske)  
Subject: [550] Re: Hy-Gain 19PD Portable Dipole  
Message-ID: <19960707.110513.9902.1.Brozenske@juno.com>

Hi Gang,

I have seen small reels of braided line with wire strands included for sale at flea markets in the Boston area--it was a military surplus portable antenna item, and don't know who made it. I was intrigued by it and ALMOST BOUGHT IT (horrors--one more THING around here!). I think it would make a great light backwoods HF antenna. It would have to be measured or premarked, however. I think it would be much lighter than the tape measure type, but am uncertain whether it could take being dragged over tree branches too many times.



Now, thinking about that QRP+....

73,  
Barrie, K3BUZ

On Sat, 6 Jul 1996 21:07:24 -0600 n5zgt@swcp.com (Brian Mileschosky) writes:  
>Sorry...Forgot to say this antenna is good for any freq from 80 meters  
>to a  
>little past 10 meters. It might be long enough to operate around 160.  
> But  
>it is an awesome antenna that covers the full HF spectrum, as well as  
>MF!  
>72,  
>Brian, N5ZGT  
>  
>  
>> That is an interesting antenna! I have a Hy-Gain dipole (Don't know  
>the  
>>model #) that was used in the military. This antenna is like two  
>>tape-measures connected back-to-back in one piece. If you want to  
>operate  
>>at 14.060 MHz, you simply look at a chart on the back of the antenna,  
>and it  
>>tells you what length the legs needs to be. This is the cool part -  
>you  
>>pull out the dipole to the right length. The legs of the dipoles are  
>made  
>>of the same stuff tape-measures are, and even have the inches, etc.  
>on them  
>>so you can pull out precisely how much you need to operate at that  
>>frequency! (Hope I didn't confuse anybody...)  
>> When you are done, each leg has its own crank so you can reel the  
>legs  
>>back in. Very interesting antenna!  
>>72,  
>>Brian, N5ZGT

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: pcw12@ix.netcom.com (Phil Wheeler)  
Subject: [570] Re: Hy-Gain 19PD Portable Dipole  
Message-ID: <199607072354.QAA09618@dfw-ix12.ix.netcom.com>

I've heard about that antenna, the "tape measure" job, Brian...did not know it was military (which may mean it weighs a lot due to mil spec).

This other one (there is a drawing on the bulletin) looks like a totally different beast.

Phil W7UOX

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: brozenske@juno.com (Barrie L Brozenske)  
Subject: [552] Re: Mast story  
Message-ID: <19960707.114035.4222.0.Brozenske@juno.com>

Hi Brad & Gang,  
WOW, It's sure a tangled web we live in!

I kept bees for a number of years, and found out just what they didn't like about your tractor. They are enraged by carbon dioxide--as in your or your dog's warm breath AND tractor exhaust. I suspect your big tractor had the exhaust high in the air, not low and perhaps blowing in the direction of the hives.

Blowing on a bee is a technique used to induce it to sting when it is used by some people for arthritis treatments. (Some people, like me, think this treatment is worse than the disease).

I experienced the same reaction as you did with my garden tractor near my hives. The solution was to keep the exhaust pointing away from the hives at all times I was working there--a pain, but less so than the stings. If you think tractors get bees going, just walk up to a hive eating a banana!

The varoa mite which entered the US a few years back now, killed my hives 2 years ago, and I won't replace them. That makes the neighbors are happier. Now they just have telephone interference to moan about. Wonder why honey prices are skyrocketing?

Enjoyed your pole story!

73,  
Barrie, K3BUZ

On Sat, 6 Jul 1996 10:12:14 est wb8ygg@juno.com (Bradley S. Mitchell) writes:

I hopped on the tractor, turned it around and slowly  
>backed it up through the bee hives toward the lane end.  
>Suddenly I was

>attacked. bees were everywhere all over my face, arms neck  
>stinging  
>everywhere. I ran through the woods taking my shirt off to  
>rub them off of my  
>face, allowing all the branches of the woods to hit me to hit  
>the bees.  
>I ran right past my brother who gave me a funny look and  
>said, "what's your  
> problem?" I proclaimed that the bees were all stinging me. He  
>being older and wiser said.. yeah right "I'll get the  
>tractor. " I said good.  
>Next thing I saw was my brother running through the woods  
>waving the bees off  
> with his shirt.  
>  
> We concluded that the bees didn't like the vibration  
>of  
>the tractor mower. It was different than the big tractors, an  
>apparently they  
>just did no like it. So after the bees cooled off, we pushed  
>the tractor away from  
> the hives far enough not to bother them. Then we dragged the  
>trees out the woods , past the hives to hook them on to the  
>  
> 73 Brad WB8YGG  
>

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: chas@nmaa.org (Charles Kadesch)  
Subject: [551] Re: Mast story , trees  
Message-ID: <31DFFED4.8E9@nmaa.org>

Brad:

What a great story. A few years ago I drove past our old homeplace and noticed about half of a glass insulator protruding from the side of a tree (up about 25 feet). It was from my old original zepp antenna (circa 1953). The tree had grown around the attaching screwhook and wire and in a few more years that tree will have an internal insulator. In cutting firewood in the woods I have had the fun of running the chainsaw into old barbed wire that the tree has grown around. Sure did a number on the saw blade. Have even hit into an old bullet that a hunter deposited in a tree. A friend who ran a sawmill has some amazing tales of things he has run into. Just another thing one should be concerned

about when cutting firewood or dropping trees.  
Insulators, screweyes, bullets, nails, wire, you name it.

QST had a good article on attaching wires to live trees so  
as to minimize damaging the tree as it grows.

At any rate, I'm glad you survived the run in with the bees.

72/73 de Chas W8KUX

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: Jim Stafford W4QO <w4qo@america.net>  
Subject: [567] Re: Mast story , trees, screw eyes, pulleys  
Message-ID: <31E03693.F56@America.Net>

Charles Kadesch wrote:

>  
> QST had a good article on attaching wires to live trees so  
> as to minimize damaging the tree as it grows.  
>

I'd be curious what issue this appeared in. My friend and I are putting  
large (1/4 inch bolt size) screw eyes into pine trees at about the 55  
foot level to hold a 1 foot length of chain with a pulley on end of  
chain. Then we run a loop of dacron rope through the pulley to draw  
wires up in the trees. By using the chain, we can have the pulley end  
up on either side of the tree when the wire goes by in a nearly straight  
line to another tree behind this one. Good for supporting zepps/windows  
in the middle for example. I know that in a few years the tree will  
grow around the screw eye but the chain and pulley should still be free.

Any thoughts?

72/jim/w4qo

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>  
Subject: [538] Re: NorCal Far Circuits Keyer  
Message-ID: <Pine.PMDF.3.91.960706222417.220866A-100000@BENSON.MCKENNA.EDU>

According to the Curtis application note (1/22/92), grounding pin 8 selects mode A. For mode B, connect pin 8 to VDD (which runs into pin 1).

Charlie, w6jjz  
clofgren@benson.mckenna.edu

On Sat, 6 Jul 1996, Jeffrey Greer wrote:

> I recently received the Curtis 8044ABM chip and circuit board from  
> NorCal QRP club. While digging through the circuit to determine parts  
> placement, I discovered a discrepancy with a similar circuit in the 1996  
> ARRL Handbook. The wiring of pin 8, iambic select does not agree. On the Far  
> Circuits diagram, grounding the pin selects mode B. On the ARRL diagram,  
> grounding the pin selects mode A. Does anyone know which is correct? I was  
> planning to wire it permanently to B mode.

>  
> Thanks, Jeff WD4ETO  
>  
>  
>

From owner-qrp-l@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Subject: [549] Re: NorCal Far Circuits Keyer  
Message-ID: <199607071450.0AA07047@chuck.dallas.sgi.com>

Jeff et.al.,

The Curtis application note on the 8044ABM shows that grounding pin 8 selects Iambic Mode A.

The complete copy of the ap note is available from LeHigh.EDU. I'll post later today on how to do that, as I don't have my cheat sheet in front of me. You just ftp to lehigh.edu and cd to pub/listserv/qrp-l from there you go one more directory where the 8044.ps file is. It is postscript so you will need to have a postscript printer to get a hardcopy or a postscript viewer like ghostscript to look at it on the screen.

dit dit  
--

Chuck Adams (K5FO CP-60) adams@sgi.com  
K5FO TMPS 1996 Qs=048 States=25 Confirmed=11 DX=02 (0.95W)  
AL AZ CA CO DC FL GA IA IL IN MD MI MO  
NC OH OK OR RI SD TN TX UT WA WI WY

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: wq8q@juno.com  
Subject: [542] Re: PVC Masts  
Message-ID: <19960707.074555.7215.0.wq8q@juno.com>

Also, don't forget that some types of PVC are somewhat RF conductive, and the best way to test it is to cut off a piece, put it in the microwave for a few minutes with a glass of water (the water keeps the microwave from going nutso in case the PVC is not RF sensitive) and if the PVC gets hot, you can't use it under conditions such as a G5RV or any ladder-line fed antenna whose feed line would be coming down the length of the PVC, as that would affect the performance . . . could be used with coax feed to a dipole . . .

If your PVC is RF sensitive, treat it as you would a metal mast . . .

73 de Rick, WQ8Q  
Cincinnati

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: Joe Everhart <n2cx@voicenet.com>  
Subject: [548] Re: PVC pipe mast  
Message-ID: <199607071447.KAA22365@mail.voicenet.com>

Gang,

Not to belabor the point \*much\* more but...

I've found PVC pipe masts made of the right material and used properly make very good portable or temporary short masts. 1-1/4 in schedule 40 is quite usable up to 20 feet when guyed at the 2/3 or 3/4 height with reasonably "loose" guy lines will hold up inverted vee antennas quite well. Larger diameter material should be equally useful up to 30 feet or so.

The idea is to allow some slack so that you don't buckle the whole thing. Down pressure from heavy antennas or tight guy lines \*will\* cause it to bend in the middle. The inverted vee at the top acts as additional guying. End-supported antennas need opposing properly tensioned guys.

The NJQRP gang can attest to the staying power of a mast like this. We put one up at one of our meetings in probably 40-45 mile an hour winds (ain't hams nuts?) and used it throughout the wind storm effectively. In various other outings (QRP Afield, QRP To The Field) they have also proved their worth.

For the last year I've had up a 20 foot (recently augmented to 25 foot) 2 inch schedule 40 mast that has survived nasty weather winter and faithfully supported a 40 meter inverted vee. Now South Jersey certainly doesn't have blistering desert sun, but through the extremes of weather here, the pipe shows absolutely no signs of deterioration. Besides, the white PVC mast is on the property line and blends in well with my neighbor's house!

72/73,

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com  
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
Subject: [566] Re: QRP ARCI Web Site !!!  
Message-ID: <Pine.SOL.3.91.960707182245.14603A-100000@utkux4.utcc.utk.edu>

You can access the QRP ARCI master page directly by a small addition to the address given. Try  
<http://www.duke.edu/~djohnson/arci.html/>

I've taken a look: a very good start on behalf of the club.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off) (423) 974-7215
1434 High Mesa Drive	/	\	\	\	----	\	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	\	/	/	(FAX) (423) 974-3509
37938-4443 USA	/	\	\	\	\		cebik@utk.edu
QRP ARCI 2572	G-QRP 7203	CQC 125	NEQRP 347	NORCAL 1111	MIQRP 1432		
NWQRP 401	ARRL Life: Educational Advisor	QCWA 13211	10-10 41159				

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: Mark D Jarmuz <jarmuz@acsu.buffalo.edu>  
Subject: [558] Re: SW-40  
Message-ID:

<Pine.GS0.3.93.960707125043.26667A-100000@conciliator.acsu.buffalo.edu>

hi brad and gang

first off congrats on finishing your 40/40.

ive had mind about the last 2 years and i could not agree with you any more on why we dont hear more chatter about this great little rig.....ive got about 35 states confirmed with this little baby and thats just using it off and on...and the best part of this whole story is most of the contacts have been with 700mw!!!!!!also worked Tenn.with 50mw.... again good job and well done be dave benson....

AA2PF.....DAVE.....

part of the Buffalo QRP connection...

On Sat, 6 Jul 1996, Bradley S. Mitchell wrote:

>

> Well, I finally put together the Sw-40 (originally the NE 40-40).

> I never really jumped on the band wagon for making the NE 40-40 because I had just built 2 spiders, a Cubic incher tx, a Sudden Rx, 2 NN1G Mark II

> transceivers and an Epeiphyte I transceiver, all from scratch , including the P.C. board. ... But that's another story..

>

> Anyway, The SW-40 I procured at Dayton. After I got back I ordered the Hardware kit which includes the silkscreened case, painted box, knobs, pots all the hardware..

>

> I put together the radio this weekend, and my first impression was wow, lots of parts.. The toroids wound easily, and the manual was very well done. I had it all clip leaded together on the bench, and hooked up the trusty AK-1 to it, and sent cq several times.. nothing. :-( .. listened around nobody calling cq :-(.. Called cq again.. finally got k9cmw. We talked for almost an hour!.

> It was great, what a neat feeling (again). I haven't built a rig for quite a while and it was good to make that first qso with it.

>

> Once I made the first QSO, and got everything going, i decided that it was



> time to button it up. I put the rig in the beautiful box that I got from  
> Small Wonder Labs  
> (Dave Benson). It turned out great ! Now the only thing is.. I really  
> want to put my  
> keyer inside the box because there is plenty of room to do that and have  
> the buttons  
> stick out the top.. Next project..  
>  
> In conclusion, I just don't understand why there isn't more hype  
> over this  
> littel rig. It sure is a beauty! I didn't need anything to tune  
> it up at all.  
> I just used the meters that I had and it was tuned in about 30  
> seconds!  
>  
> Dave has done a wonderful job on this!  
> I'd really like to see how the Green mountain  
> rigs and the white mountain rig performs now!  
>  
>  
> 73 Brad WB8YGG  
>

From owner-qrp-1@Lehigh.EDU Mon Jul 8 10:24:57 1996  
From: wb8ygg@juno.com (Bradley S. Mitchell)  
Subject: [541] Re: Want Argosy model 224  
Message-ID: <19960706.063706.11671.0.WB8YGG@juno.com>

Clark,  
N2JGU and I are re-producing the Model 224 in kit form.  
We started a Company (Embedded Research) so we could sell our "Atomic  
Keyer"  
but at the same time, made arrangements with Ten Tec to  
re-produce the model 224 filter.

I own a Digital Argosy, and N2JGU has an Analog Argosy, and the 224  
really makes a difference.  
Our Web page is <http://www.vivanet.com/~gmdsr>. Where all info on  
it can be had.

73 Brad WB8YGG

On Sat, 06 Jul 1996 20:29:17 -0700 Clark Savage Turner WA3JPG  
<turner@safety.ICS.UCI.EDU> writes:  
>audio CW filter for the new member of my family...and Argosy II.

>Neat little radio. Always wanted one. Now want the audio filter,  
>I recall that in combination with the crystal filter it worked very  
>well. Also would like to find a model 220 8 pole crystal filter  
>for SSB for the Argosy.

>

>Clark

>WA3JPG

>

>